Public Notice

US Army Corps of Engineers
Memphis District
200147043

REPLY TO: ATTN: Timothy Davis
U.S. Army Corps of Engineers
167 North Main Street, Room B-202
Memphis, Tennessee 38103-1894
Telephone (901) 544-0734
Fax (901) 544-0211
EMail:Timothy.L.Davis@mvm02.USACE.ARMY.MIL

PUBLIC NOTICE NO:
WOLF 2001-043 [TD]

PUBLIC NOTICE DATE:
October 25, 2001

EXPIRATION DATE:
November 26, 2001

POSTMASTER PLEASE POST UNTIL:

Joint Public Notice
Corps of Engineers
and
State of Tennessee

AUTHORITY: Pursuant to 33 CFR 325, as published in the Federal Register dated November 13, 1986, this notice announces an application submitted for a Department of the Army permit under Section 404 of the Clean Water Act.

APPLICANT: City Engr John C. Modzelewski
City of Germantown
Community Development Department
1930 South Germantown Road
Germantown, Tennessee 38138-2815
(901) 757-7281

AGENT: John B. Jernigan
Ellers, Oakley, Chester, & Rike, Inc.
5100 Poplar Av., Suite 1600
Memphis, Tennessee 38137-1601
(901) 683-3900

LOCATION: The project is located in Germantown, in Shelby County, Tennessee, at approximate latitude 35 -5 -49.2003 and longitude 89 -46-37.2001 on the Germantown 7.5 minute quadrangle map (see attached).

PURPOSE: The purpose of the project is to repair erosion of stream banks and to stabilize the degradation of the channel bottom to protect existing residences along the top bank of the stream.

DESCRIPTION OF WORK: This project consists of stabilizing both banks of Lateral "D" for approximately 2,200 feet from Farmington Boulevard north to beyond the existing grade control structure. Bank erosion is endangering existing residential development on both sides of the Lateral "D" channel. Also included is the bank stabilization of an outside bendway approximately 900 upstream from Wolf River. The erosion at this location is endangering park improvements in Cameron Brown Park. Construction between the outside bendway and the existing grade control structure is limited to bank stabilization in two isolated locations. The first location is approximately 1,200 feet upstream from Wolf River, at the outlet of a man-made pond at the north end of a residential subdivision. The wooden pedestrian bridge near the outlet and the pond itself will remain undisturbed; and the normal pool elevation of the pond will remain as under existing conditions. The second location is approximately 1,400 feet upstream from Wolf River, at the outlet of a 24-inch diameter pipe culvert, where the stormwater discharge has severely eroded the bank. Bank stabilization is being accomplished by providing gabion (stone-filled wire baskets) toe protection from 6 feet to 18 feet high, with earth fill above the gabions to provide an approximate 2.5H: 1 V bank slope. The new earth slope will be protected by a 10-foot wide permanent erosion control blanket above the gabion walls, and a temporary erosion control blanket from the permanent blanket to the top of bank. Several of the existing pipe culverts located along the channel banks will have to be either extended or shortened to accommodate the new gabion toe walls. A new grass berm at the top of bank will protect

the channel from overbank runoff. The 8-foot wide berm will also serve as an access road for maintenance vehicles and equipment. Overbank runoff from the adjacent properties will be diverted into a series of grass-lined swales along the outside of the berm. The new swales will drain into grated inlet structures, which will drain into metal pipe culverts and discharge below the top of the gabion toe walls along the channel. Also included in this project is the stabilization of the channel bottom from the end of the box culvert under Farmington Boulevard to a point approximately 600 feet down stream. This stabilization is required to control the continuing headcutting and degradation of the channel bottom above the existing grade control structure. Each grade control structure will consist of a gabion wall approximately 4 feet high, a 25-foot long riprap stilling basin, a 1.5' high gabion end sill and riprap protection at the upstream and downstream ends. The existing grade control structure will be reinforced by filling in the degraded bottom with riprap and constructing a new grade control structure to transition to existing grade. The grade control structure will consist of two gabion walls approximately 6 feet high, three 25-foot long riprap stilling basins, a 1.5' high gabion end sill and riprap protection at the downstream end. Landscaping will be provided along the east and west channel banks with a total of 525 small trees in 35 groupings. Each tree grouping will consist of 15 randomly selected trees of local origin, spaced in alternating rows on 10-foot centers. Silt fencing and hay bale barriers will be erected to protect the channel from erosion and sedimentation. Permanent grass cover will be accomplished by hydroseeding, mulching and fertilizing the disturbed earth areas along the channel. Water in the channel will be barricaded and diverted into temporary channels and removed by pumping or by gravity means, to ensure that construction of the grade control structures will take place in dry conditions.

WATER QUALITY CERTIFICATION: By copy of this public notice, the applicant is requesting water quality certification from the Tennessee Department of Environment and Conservation, Division of Water Pollution Control that the activity will comply with applicable requirements set forth in 33 U.S.C. and 1341(a)(1) of the Clean Water Act and all State laws and regulations promulgated pursuant thereto. This certification or evidence of this water quality certification or waiver of the right to certify must be submitted prior to the issuance of a Corps of Engineers permit. **Commentors are requested to also furnish a copy of their comments to the Tennessee Department of Environment and Conservation, Division of Water Pollution Control (TDEC), at (615) 532-0713 or in writing at TDEC 7th Floor L. & C. Annex Building, 401 Church Street, Nashville, Tennessee 37243-1534. The Department will consider all relative comments in the decision to grant or deny water quality certification for the proposed activity. The applicant is also encouraged to contact the offices of TDEC at the above telephone number or address for information on permit processing fees and TDEC's potential need for additional information not found in this notice. The Corps of Engineers' evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act.**

ENDANGERED SPECIES: No endangered or threatened species, or their critical habitat, are known to exist in the project area. This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments they may have regarding endangered or threatened wildlife or plants, or their critical habitat, will be considered in our evaluation of the described work.

CULTURAL RESOURCES: The National Register of Historic Places has been consulted, and it has been determined that there are no properties currently listed in the register which will be affected by the work. The consultation of the National Register will constitute the full extent of cultural resources investigation by this office unless we are made aware as a result of comments received in response to the notice or by other means of the existence of specific structures or sites which might be affected by the work. Copies of the notice are being sent to the State Archaeologist and the State Historic Preservation Officer.

FLOOD PLAIN: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed public notice and apprise this office of any flood plain development permit requirements.

PUBLIC INTEREST REVIEW: The purpose of this public notice is to advise all interested parties of the activities for which a permit is sought and to solicit comments and information necessary to evaluate the probable impact on the public interest.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits that reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reason for holding a public hearing. The District Engineer will determine if the issues raised are substantial and whether a hearing is needed for making a decision.

COMMENTS OR REQUEST FOR ADDITIONAL INFORMATION: If you wish to obtain additional information or to submit comments on the application, please contact Timothy Davis at the U.S. Army Corps of Engineers, 167 North Main Street, Room B-202, Memphis, Tennessee 38103-1894, telephone (901) 544-0734. The Corps may provide copies of all comments, including the names and address of commenters, to the applicant for consideration and response prior to a decision.

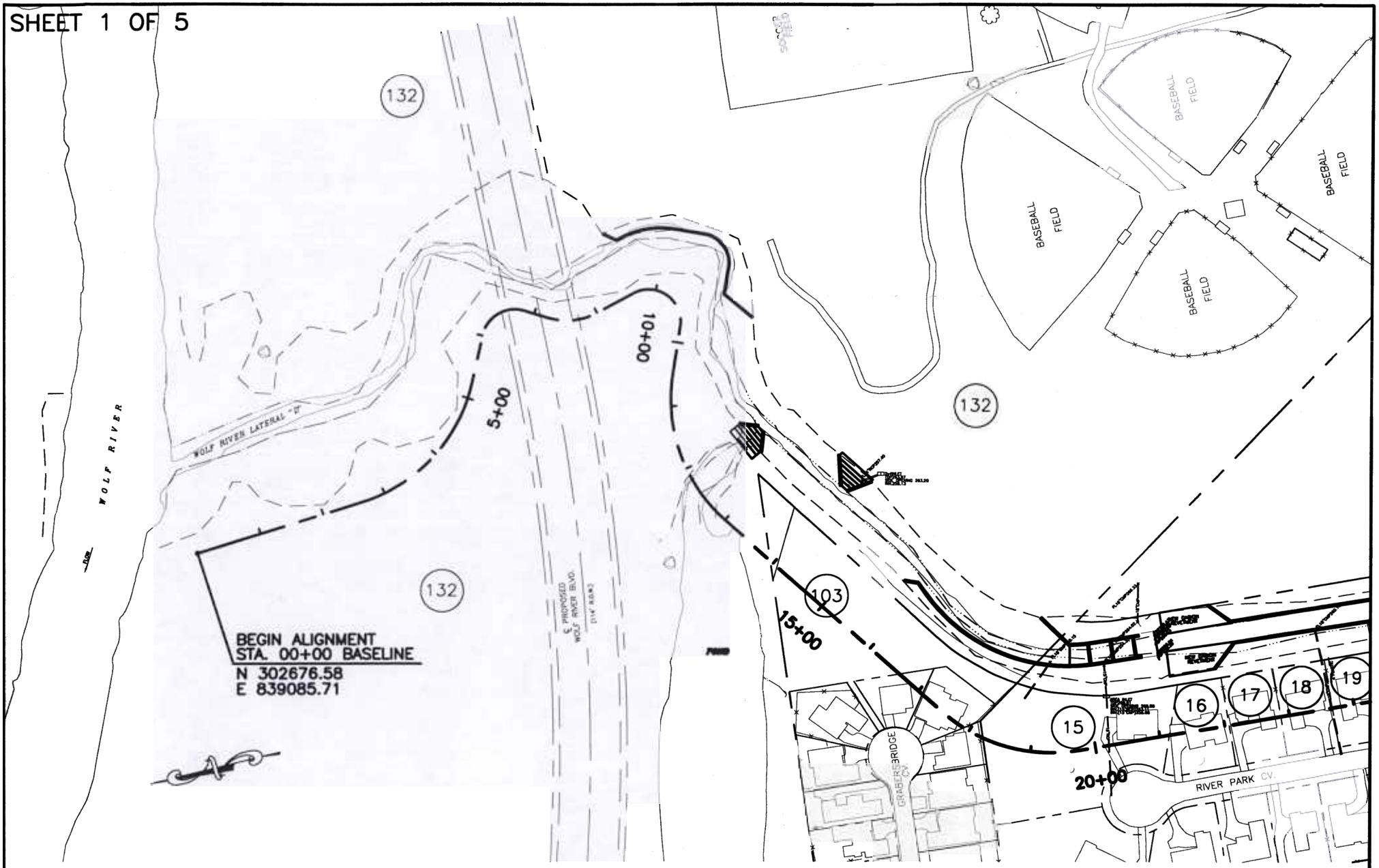
Comments should be received by November 26, 2001

Larry D. Watson
Chief
Regulatory Branch

Attachments


OLD RIVER RD
JAVELIN
INDIAN CV
WOLF RIVER
Wolf River
KIMDALE DR
LUDLOW CV
MAIDEN CV
OXFORD CV
LAIRD CIR
ROCHESTER CV
HARLAN CV
COLTON CV
SELKIRK CV
CARTWRIGHT CV
BIRKHILL CV
LEEDS CV
RIVER PARK DR
LATERAL 'D'
ALLENBY GRN
WHISPERING PINES CIR
WICKLOW WAY
E WICKLOW WAY
RIVER GLEN CV
GALWAY CV
RYE RD
PARK TRAIL DR
SUNWOOD LN
N35 05 48.4; W89 46 36.8
PEPPER BUSH LN
ALDER BRANCH LN
CORBIN RD
YORKCHESTER RD
NEWFIELDS RD
EDWARDS MILL RD
GLENBUCK CV N
GROVE SPRING DR
CRAIL CV
KILBIRNIE DR
FARMINGTON BLVD
FARMINGTON CV
CORDES RD
WINE LEAF DR
DEANWOOD CV
KNOB OAK CV
MARY HILL CV
LOWER WOODS CV
WHISPERING PINES DR
DESMOND CV
DOWDEN CV
HOCKING CV
STOCKTON PL
TILDEN CT
WINTHROP CT
PAGET CT
TABOR CT
DAVENPORT CV
BLAIR LN
SELTON PL
WENTWORTH LN
GORHAM PL
NEW MEADOW DR
ALLENBY CV
SANDPOINT DR
RIVERCHASE DR
STAFFORD CV
HUNDRED OAKS DR
NIGHT SHADE DR
SHERMAN OAKS DR
WILDERNESS CV
IDLEWOOD CV
DALKEITH DR
BONNYBRIDGE DR
DUMFRIES CV
CUMBERNAULD CIR W
KINLOCK CV
LAUDER LN
GLENBAR DR
COATHBRIDGE DR
ELDERSLIE DR
KILBIRNIE DR
RENFREW
WILLOW OAK RD
BUTTONWOOD CV
BRYN MANOR LN
WINDY OAKS CV
GLEN RIDGE CV
DOGWOOD OAKS CV
BUCKTHORN CV
BEEKMAN CV
COLEBROOK CV
LOCATION IN GERMANTOWN, SHELBY COUNTY, TN
DeLORME
Scale 1 : 12,000
1" = 1,000.00 ft
Datum: WGS84

SHEET 1 OF 5

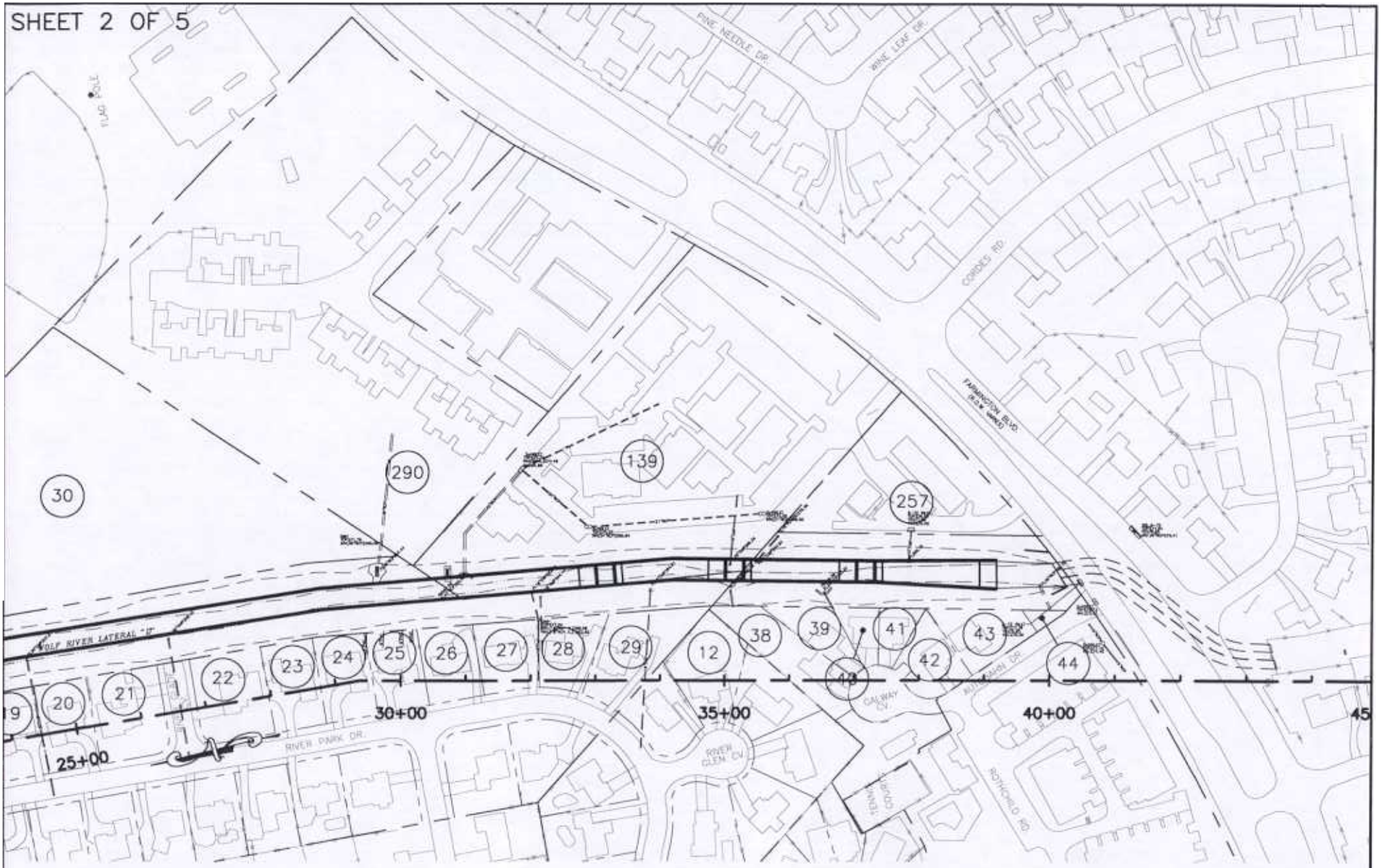


WOLF RIVER LATERAL "D"
STREAM STABILIZATION
CITY OF GERMANTOWN

SITE PLAN
SCALE: 1"=200'

ECCR
ELLERS OAKLEY CHESTER & RIKE, INC
5100 POPLAR AVENUE, SUITE 1600
MEMPHIS, TN 38137

SHEET 2 OF 5



WOLF RIVER LATERAL "D"
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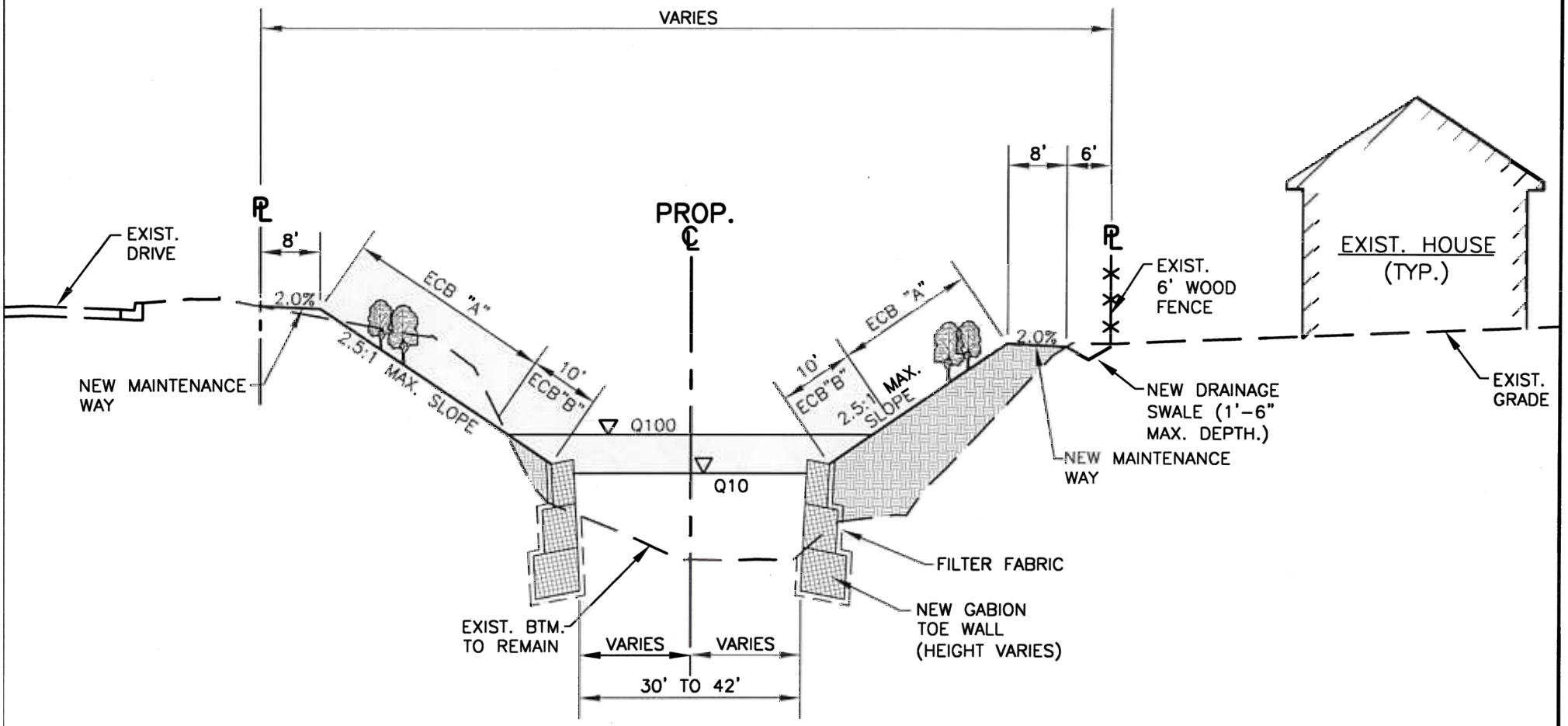
MEMPHIS, TN 38137



LEGEND

ECB "A" = TEMPORARY EROSION CONTROL BLANKET
ECB "B" = PERMANENT EROSION CONTROL BLANKET

WOLF RIVER LATERAL "D"
STREAM STABILIZATION
CITY OF GERMANTOWN

TYPICAL SECTION

1"=20' HOR.
1"=10' VERT.

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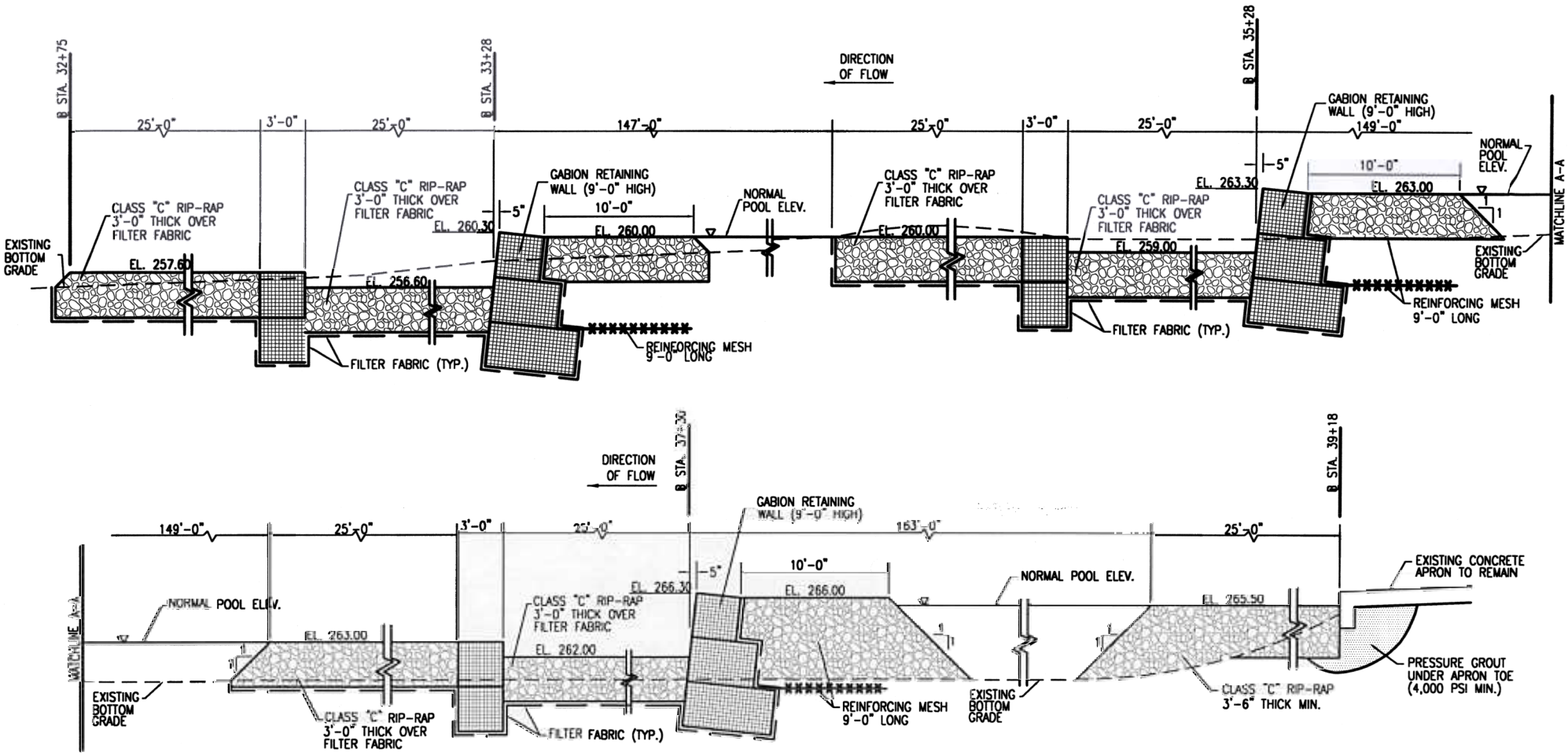
MEMPHIS, TN 38137

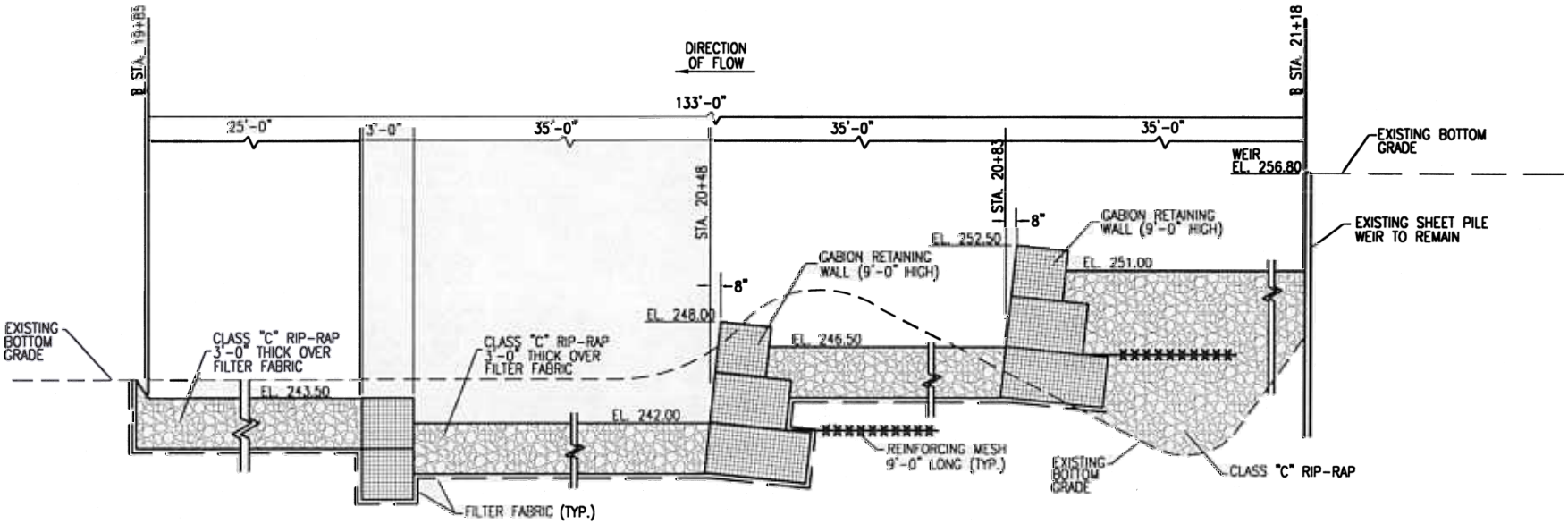


GRADE CONTROL STRUCTURE

STA. 32+75 TO STA. 39+18
SCALE: 1"=10'

WOLF RIVER LATERAL "D"
STREAM STABILIZATION
CITY OF GERMANTOWN

ELLERS OAKLEY CHESTER & RIKE, INC
5100 POPLAR AVENUE, SUITE 1600
MEMPHIS, TN 38137



WOLF RIVER LATERAL "D"
STREAM STABILIZATION
CITY OF GERMANTOWN

GRADE CONTROL STRUCTURE

STA. 19+85 TO STA. 21+18
SCALE: 1"=10'

ECCR
ELLERS OAKLEY CHESTER & RIKE, INC
5100 POPLAR AVENUE, SUITE 1600
MEMPHIS, TN 38137